### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

-m re Patent Application of	Group Art Unit. Unassigned							
Zhongxin Ge et al.	Examiner: Unassigned							
Application No.: 10/594,429	Confirmation No.: Unassigned							
Filing Date: September 26, 2006								
Title: POLYHYDROXY HYDROGENSULFATED TRIMETALLIC NITRIDE ENDOHEDRAL METALLOFULLERENES								
SECOND INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER								
Commissioner for Patents								

Alexandria, VA 22313-1450 Sir: Enclosed is a SECOND Information Disclosure Statement (IDS) and accompanying form PTO-1449 for the above-identified patent application. No additional fee for submission of an IDS is required. Ø The fee of 180 as set forth in 37 C.F.R. § 1.17(p) is also enclosed. A statement under 37 C.F.R. § 1.97(e) is also enclosed. A statement under 37 C.F.R. § 1.97(e), and the fee of 180 as set forth in 37 C.F.R. § 1.17(p) are also enclosed. to Deposit Account No. 02-4800 for the fee due. A check in the amount of \_\_\_\_\_ is enclosed for the fee due. to credit card for the fee due. Form PTO-2038 is attached. M The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted.

BUCHANAN INGERSOLL AND ROONEY PC

Date April 9, 2007

P.O. Box 1450

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Buchanan Ingersoll & Rooney PC

Attorneys & Government Relations Professionals



### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Thre Patent Application of	)
Zhongxin Ge et al.	) Group Art Unit: Unassigned
Application No.: 10/594 429	) Evaminer: Unassigned

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For: POLYHYDROXY )

HYDROGENSULFATED TRIMETALLIC)
NITRIDE ENDOHEDRAL
METALLOFULLERENES

# SECOND INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. However, copies of the listed U.S. patents and U.S. patent application publications are not enclosed since it is no longer required according to the July 11, 2003 waiver of the requirement for copies of cited U.S. patents and U.S. patent application publications in national patent applications filed after June 30, 2003 and international applications entering the national stage under 35 U.S.C. § 371 after June 30, 2003.

### U.S. PATENT DOCUMENTS

- 1. KATORI et al., U.S. Patent Publication No. 2003/0031917 A1, published on February 13, 2003.
  - 2. YAMAMOTO et al., U.S. Patent No. 6.432.887 B1, issued on August 13, 2002.
  - 3. WHEWELL, U.S. Patent No. 5,269,953, issued on December 14, 1993.
  - 4. ATA et al., U.S. Patent No. 6,815,067 B2, issued on November 9, 2004.
- 5. KAJIURA et al., U.S. Patent Publication No. 2003/0015414 A1, published on January 23, 2003.
- TAKIKAWA et al, U.S. Patent Publication No. 2002/0061638 A1, published on May 23, 2002.
- ANAZAWA et al., U.S. Patent Publication No. 2001/0050219 A1, published on December 13, 2001.

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- ZETTL et al., U.S. Patent No. 6,063,243, issued on May 16, 2000.
- CRESPI et al., U.S. Patent Publication No. 2005/0067349 A1, published on March 31, 2005.
  - 10. HINOKUMA et al., U.S. Patent No. 6,495,290, issued on December 17, 2002.

### NON-PATENT LITERATURE DOCUMENTS

- IEZZI, ERICK B. ET AL., "A Symmetric Derivative of the Trimetallic Nitride Endohedral Metallofullerene, Sc<sub>3</sub>N@C<sub>80</sub>," J.AM.CHEM.SOC., 2002, pp. 524-525, Vol. 124, No. 4, American Chemical Society.
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- JOURNET et al., "Large-scale production of single-walled carbon nanotubes by the electric-arc technique," Nature, 1997, vol. 388, pp. 756-758, American Association for the Advancement of Science, Washington, D.C.
- SAITO et al., "Single-Layered Carbon Nanotubes Synthesized by Catalytic Assistance of Rare-Earths in a Carbon Arc," J. Phys. Chem., 1995, vol. 99, pp. 16076-16079, American Chemical Society, Washington, D.C.
- WILSON et al., "Advanced materials: fluorous fullerenes and nanotubes," Tetrahedron, 2002, vol. 58, pp. 4041-4047, Elsevier Science Ltd.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever

SECOND Information Disclosure Statement Application No. 10/594,429 Attorney's Docket No. 1034136-000040

is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

By:

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date: April 9, 2007

Christopher L. North

Registration No. 50,433

P.O. Box 1404 Alexandria, VA 22313-1404 703 836 6620 Substitute for form 1449/PTO & 1449B/PTO

# SECOND INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Society, Washington, D.C.

(use as many sheets as necessary)

Sheet 1 of 2

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GE et al.	3
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	10/594,429 September 26, 2006 GE et al. Unassigned

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	Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
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# NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
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# D /	KRATSCHMER, W. ET AL., "Solid C <sub>60</sub> : a new form of carbon," NATURE, 9/27/90, pp. 354-358, Vol. 347,
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// D /	OLMSTEAD, MARILYN M. ET AL., "Isolation and Crystallographic Characterization of ErSc₂N@Cao: an
/L.R./	Endohedral Fullerene Which Crystallizes with Remarkable Internal Order," J.AM.CHEM.SOC., 2000, pp.
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/LD/	STONE, A.J. ET AL., "Theoretical Studies of Icosahedral C <sub>60</sub> and Some Related Species," Chem. Physics
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Examiner	Date
Signature	Considered
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### Substitute for form 1449/PTO & 1449B/PTO

# SECOND INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

	Complete if Known	400
Application Number	10/594,429	2002
Filing Date	September 26, 2006 APR 99	Too. 161
First Named Inventor	GE et al.	.6
Examiner Name	Unassigned	- NS
Attorney Docket No.	1034136-00040	Bear

# NON-PATENT LITERATURE DOCUMENTS Examiner Initials Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, citalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. VILSON et al., "Advanced materials: fluorous fullerenes and nanotubes," Tetrahedron, 2002, vol. 58, pp. 4041-44047. Elsevier Science Ltd.

Examiner Signature	/Lance Rider/	Date Considered	05/04/2009